

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. - 55. (Canceled)

56. (New) A corrugated mesh sheet for treating exhaust gases of combustion engines in open channels, comprising wires, which are covered and openings, which are partially filled by a support having a median pore size of pores over 10 nm and having a median particle size over 1.4 μm and having an area mass of said support from 20 to 200 g/m^2 , and the BET specific surface area of said support is from 30 to 300 m^2/g .

57. (New) A corrugated mesh sheet according to claim 56, wherein mesh size of said corrugated mesh sheet is from 30 to 300.

58. (New) A corrugated mesh sheet according to claim 56, wherein the median particle size of support is from 1.5 to 3.5 μm .

59. (New) A corrugated mesh sheet according to claim 56, wherein said support comprises catalytically active material.

60. (New) A corrugated mesh sheet according to claim 56, wherein said support comprises catalytically inert particles having median particle size from 10 to 200 μm .

61. (New) A corrugated mesh sheet according to claim 56, wherein said support comprises catalytically inert coarse alumina-, silica-, zirconia-, ceria- and/or titania particles.

62. (New) A corrugated mesh sheet according to claim 56, wherein at least part of support is milled.

63. (New) A corrugated mesh sheet according to claim 56, wherein said support comprises fibres, which project out from the plane of said support.

64. (New) A metal substrate having open channels for treating exhaust gases of combustion engines, wherein said substrate comprises at least one corrugated mesh sheet according to claim 56.

65. (New) A method for manufacturing a corrugated mesh sheet for treating exhaust gases of combustion engines in open channels, wherein wires of said mesh sheet are covered and openings of said mesh sheet are at least partially filled by a support having a median pore size of pores over 10 nm and having a median particle size over 1.4 μm and having an area mass of said support from 20 to 200 g/m^2 , and the BET specific surface area of said support is from 30 to 300 m^2/g .

66. (New) A method for manufacturing a metal substrate for treating exhaust gases of combustion engines, wherein at least one corrugated mesh sheet according to claim 56 is joined to said substrate so that there are open channels in said substrate.

67. (New) A method for treating exhaust gases of combustion engines by a mesh sheet, wherein at least one corrugated mesh sheet according to claim 56 is used to purify impurity particles from exhaust gases of combustion engines.

68. (New) A method for treating exhaust gases of combustion engines by a metal substrate having open channels, wherein a substrate having at least one corrugated mesh sheet according to claim 56 is used to purify impurity particles of exhaust gases of combustion engines.